

NETWORK VISION MMBTS LAUNCH COTTONWOOD

SD73XC157 WATER TANK

12118 CAMPO ROAD
SPRING VALLEY CA, 92078
CITY OF SPRING VALLEY
LATITUDE: 32° 44' 1.899" N (32.733861)
LONGITUDE: 116° 55' 43.6296" W (-116.928786)

SAN DIEGO MARKET



CALIFORNIA STATE CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- CALIFORNIA ADMINISTRATIVE CODE(INCLUDING TITLES 24 & 25) 2010
- 2010 CALIFORNIA BUILDING CODE
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2010 CALIFORNIA MECHANICAL CODE
- ANSI/IEA-222-F LIFE SAFETY CODE NFPA-101
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 2010 LOCAL BUILDING CODE

ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS DO NOT APPLY IN ACCORDANCE WITH THE 2010 CALIFORNIA BUILDING CODE.

FCC NOTE:

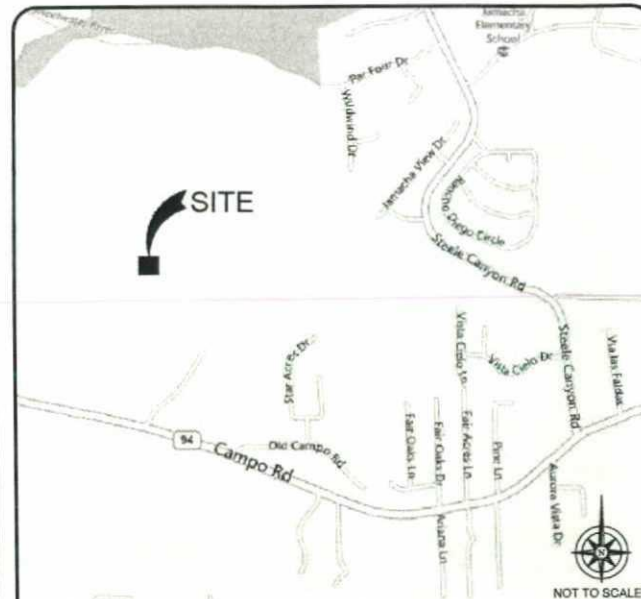
THIS WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

CODE BLOCK

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

PROJECT MANAGER: _____ DATE: _____
CONSTRUCTION MANAGER: _____ DATE: _____
RF ENGINEER: _____ DATE: _____
TAEC SITE ACQUISITION: _____ DATE: _____
ALU SITE ACQUISITION: _____ DATE: _____
PLANNING CONSULTANT: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____
SPRINT REPRESENTATIVE: _____ DATE: _____

SIGNATURE BLOCK



VICINITY MAP

STARTING FROM SAN DIEGO AIRPORT:

1. START OUT GOING WEST ON N HARBOR DR.
2. MAKE A U-TURN ONTO N HARBOR DR.
3. TURN LEFT ONTO W GRAPE ST.
4. MERGE ONTO I-5 S.
5. TAKE THE CA-94 E/I-5 KINGS JR FWY EXT.
6. MERGE ONTO CA-94 E VIA THE EXIT ON THE LEFT.
7. TURN RIGHT ONTO CAMPO RD/CA 94.
8. YOU HAVE ARRIVED AT YOUR DESTINATION.

DRIVING DIRECTIONS

ALL THAT PORTION OF TRACT "I" OF RANCHO JAMACHA IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO PARTITION MAP THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF SAN DIEGO COUNTY IN CASE NO. 13, SUPERIOR COURT, ENTITLED MM. M. KEIGLER, AT AL. VS. MARY H. EDOT, AT AL. MORE PARTICULARLY DESCRIBED AS:

FOLLOWS:

BEGINNING AT CORNER NO. 8 OF TRACT "I" OF RANCHO JAMACHA, SAID CORNER BEING THE NORTHWEST CORNER OF SECTION 36, TOWNSHIP 16 SOUTH RANGE 1 WEST, SAN BERNARDINO MERIDIAN, AS SHOWN ON RECORD OF SURVEY MAP NO. 8069, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY; THENCE ALONG A LINE SHOWN ON SAID RECORD OF SURVEY MAP SOUTH 07°07' WEST 131.345 FEET; THENCE SOUTH 89°53' EAST 646.99 FEET; THENCE SOUTH 20°11' EAST 293 FEET; THENCE SOUTH 40°19'15" EAST 152.98 FEET; THENCE SOUTH 22°47'15" EAST 775.15 FEET; THENCE SOUTH 72°29'15" EAST 3791.98 FEET TO THE TRUE POINT OF BEGINNING OF THE PROPERTY HEREIN DESCRIBED; THENCE NORTH 30°43' 21" WEST 110.06 FEET; THENCE NORTH 85°19'32" EAST 399 FEET; THENCE SOUTH 34°32'1" EAST 408 FEET; THENCE SOUTH 88°16'30" WEST 399 FEET; THENCE NORTH 34°32'1" WEST 297.01 FEET TO THE TRUE POINT OF BEGINNING. (CONTAINING 3.74 ACRES)

LEGAL DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY. THE PROJECT CONSISTS OF:

- REMOVE (9) EXISTING PANEL ANTENNAS AND REPLACE WITH (9) 6-0" PANEL ANTENNAS
- INSTALL (3) PROPOSED FIBER OPTICS CABLES USING EXISTING COAX ROUTE
- INSTALL (6) PROPOSED RRHS
- INSTALL (12) PROPOSED RF SCREEN BOXES
- NO PROPOSED CHANGES TO EQUIPMENT AREA.

EXISTING WIRELESS FACILITIES:

- A TOTAL OF (4) WIRELESS COMMUNICATION FACILITY(5) EXISTING ON SITE (SPRINT, AT&T, VERIZON, & T-MOBILE)

PROJECT DESCRIPTION

APPLICANT:
TECHNOLOGY ASSOCIATES
5473 KEARNY VILLA ROAD #300
SAN DIEGO, CA 92123
CONTACT: STEPHANIE VALDEZ
PHONE: (858) 300-2346 EXT. 1531

PROPERTY INFORMATION:
PROPERTY OWNER: OTAY WATER DISTRICT
ADDRESS: 10593 JAMACHA BOULEVARD
SPRING VALLEY, CA 92078

CONTACT:
ZONING CLASSIFICATION: S-90
BUILDING CODE: CBC
CONSTRUCTION TYPE: VN
OCCUPANCY: B

JURISDICTION: VALLE DE ORO AREA, WITHIN THE UNINCORPORATED AREA OF THE COUNTY OF SAN DIEGO
CURRENT USE: TELECOMMUNICATIONS FACILITY
PROPOSED USE: TELECOMMUNICATIONS FACILITY

PARCEL NUMBER(S):
508-021-08
LEASE AREA:
± 220 SQ. FT.

PROJECT SUMMARY



Know what's below.
CALL before you dig.

CALL AT LEAST TWO WORKING
DAYS BEFORE YOU DIG

SHEET NO:	DESCRIPTION:
T-1	TITLE SHEET
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	EXISTING ANTENNA & EQUIPMENT PLANS
A-4	PROPOSED ANTENNA PLAN
A-5	EXISTING & PROPOSED SOUTH ELEVATIONS
A-6	EXISTING & PROPOSED EAST ELEVATIONS
A-7	EXISTING & PROPOSED WEST ELEVATIONS
A-8	ANTENNA DETAILS

SHEET INDEX

ARCHITECT:
TECHNOLOGY ASSOCIATES
5473 KEARNY VILLA ROAD #300
SAN DIEGO, CA 92123
CONTACT: ALEXANDER G. NAASZ
PHONE: (858) 300-2346 EXT. 1515
EMAIL: ALEXANDER.NAASZ@TAEC.NET

STRUCTURAL ENGINEER:
TECHNOLOGY ASSOCIATES
5473 KEARNY VILLA ROAD #300
SAN DIEGO, CA 92123
CONTACT: ALEXANDER G. NAASZ
PHONE: (858) 300-2346 X 1515
EMAIL: ALEXANDER.NAASZ@TAEC.NET

SITE ACQUISITION PROJECT MANAGER:
ALCATEL-LUCENT
CONTACT: SUSIE OBOYLE
PHONE: (858) 922-2384

CONSTRUCTION MANAGER:
ALCATEL-LUCENT
CONTACT: CARL WILLARD
PHONE: (858) 320-3107

PLANNING CONSULTANT:
TECHNOLOGY ASSOCIATES
5473 KEARNY VILLA ROAD #300
SAN DIEGO, CA 92123
CONTACT: STEPHANIE VALDEZ
PHONE: (858) 300-2346 EXT. 1531

POWER COMPANY:
SDG&E
PHONE: (800) 336-7343

TELCO COMPANY:
AT&T
PHONE: (800) 944-0447

PROJECT TEAM



Alcatel-Lucent
9605 SCRANTON RD, SUITE 400
SAN DIEGO, CA 92121

PLANS PREPARED BY:

**Technology Associates
Engineering Corporation Inc.**
SAN DIEGO MARKET OFFICE
5473 KEARNY VILLA RD, STE. 300
SAN DIEGO, CA 92123

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL TO SPRINT. ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO SPRINT IS STRICTLY PROHIBITED.

PROJECT INFORMATION:

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COTTONWOOD

SD73XC157

12118 CAMPO ROAD
SPRING VALLEY, CA 92078

ISSUE DATE:

01/17/2013

ISSUED FOR:

100% ZD SUBMITTAL

REVISIONS

REV.	DATE	DESCRIPTION	BY
0	08/10/12	ISSUED FOR 90% ZD REVIEW	AC
A	08/14/12	ISSUED FOR 100% ZD REVIEW	AC
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LICENSE:

SDG PDS RCVD 01-31-13
ZAP98-020W1

TITLE SHEET

SHEET NUMBER:

T-1

REVISION:

1

DISCLAIMER

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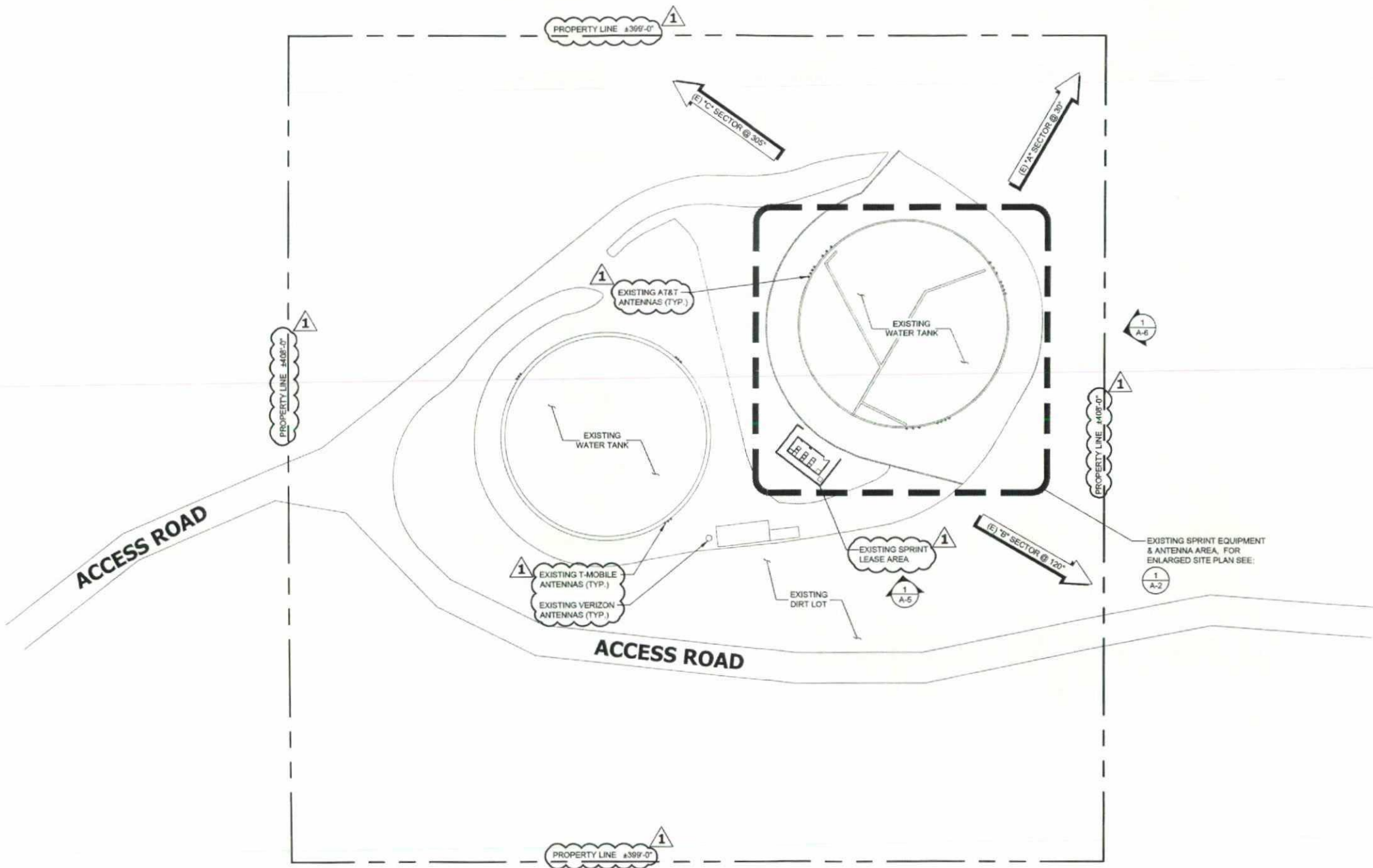
OVERALL SITE PLAN

SHEET NUMBER:

A-1

REVISION:

1

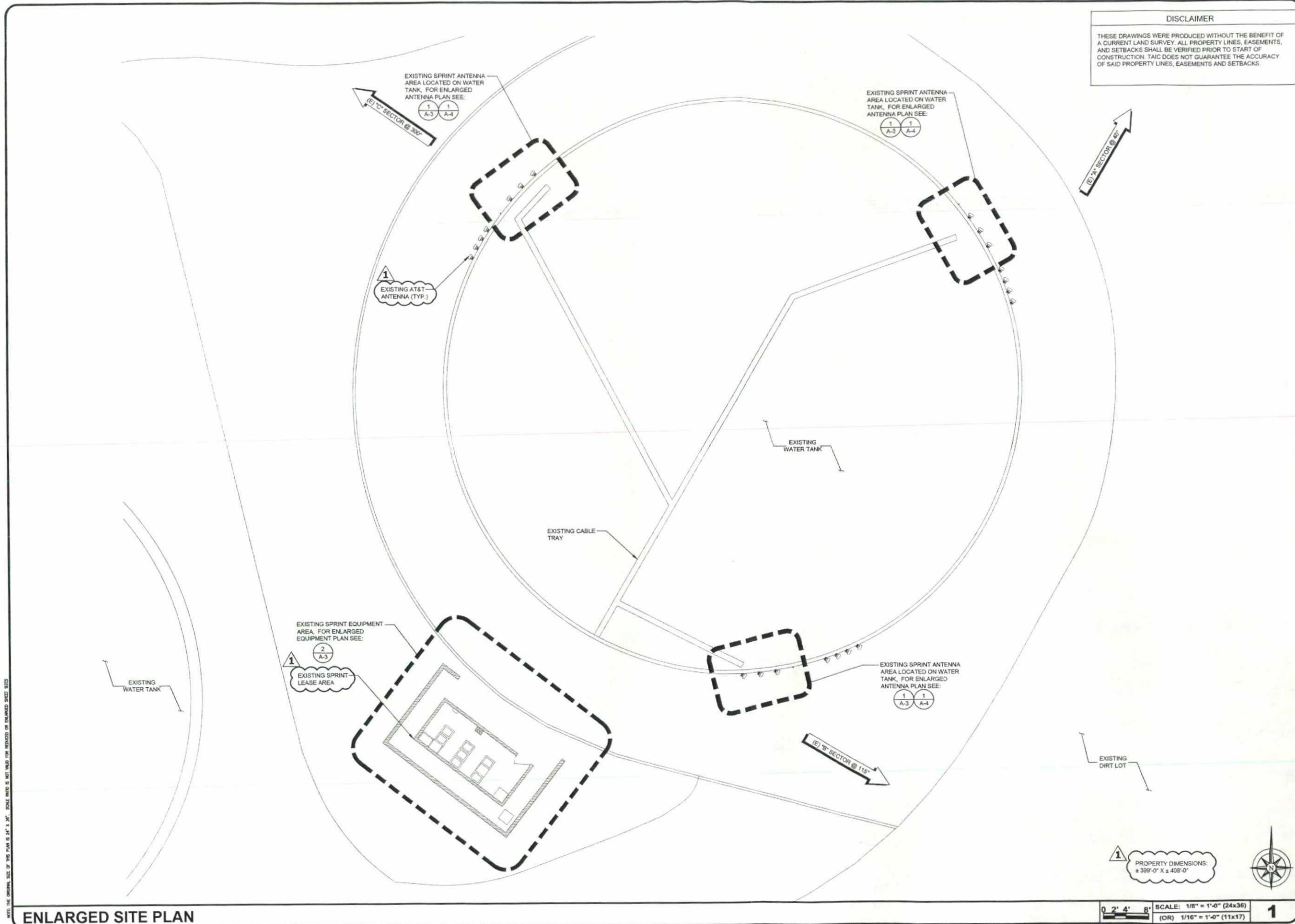


NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE INFO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES.

OVERALL SITE PLAN

30' 0 15' 30' SCALE: 1" = 30'-0" (24x36)
(OR) 1/2" = 30'-0" (11x17)





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SHEET TITLE:

**ENLARGED
SITE PLAN**

SHEET NUMBER: **A-2** REVISION: **1**

PROPERTY DIMENSIONS:
± 399'-0" X ± 408'-0"

SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)

1



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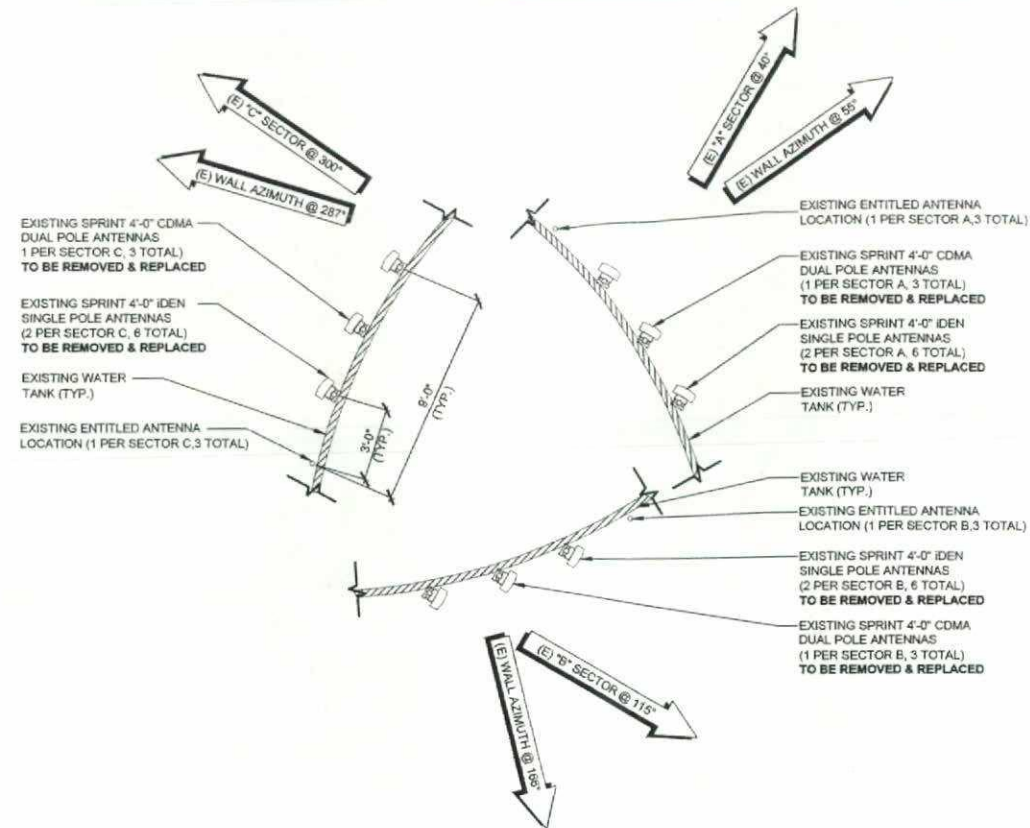
EXISTING ANTENNA
& EQUIPMENT PLANS

SHEET NUMBER:

A-3

REVISION:

1

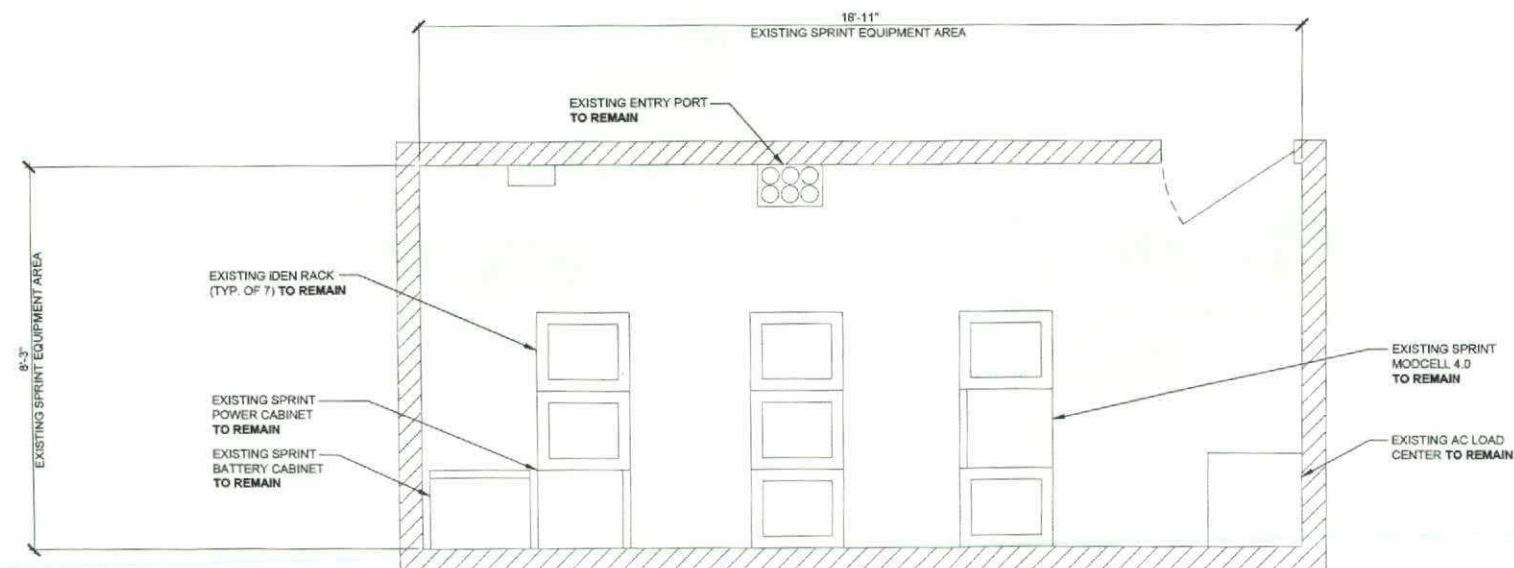


EXISTING ANTENNA PLAN

0 1' 2' 4' SCALE: 1/4" = 1'-0" (24x36)
(OR) 1/8" = 1'-0" (11x17)

1

NOTE:
NO PROPOSED CHANGES
TO EQUIPMENT AREA.
NO CHANGES TO THE
EXISTING EQUIPMENT
CABINETS.



EXISTING EQUIPMENT PLAN

0 6" 1' 2' SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

2



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SHEET TITLE:

**PROPOSED ANTENNA
PLAN**

SHEET NUMBER:

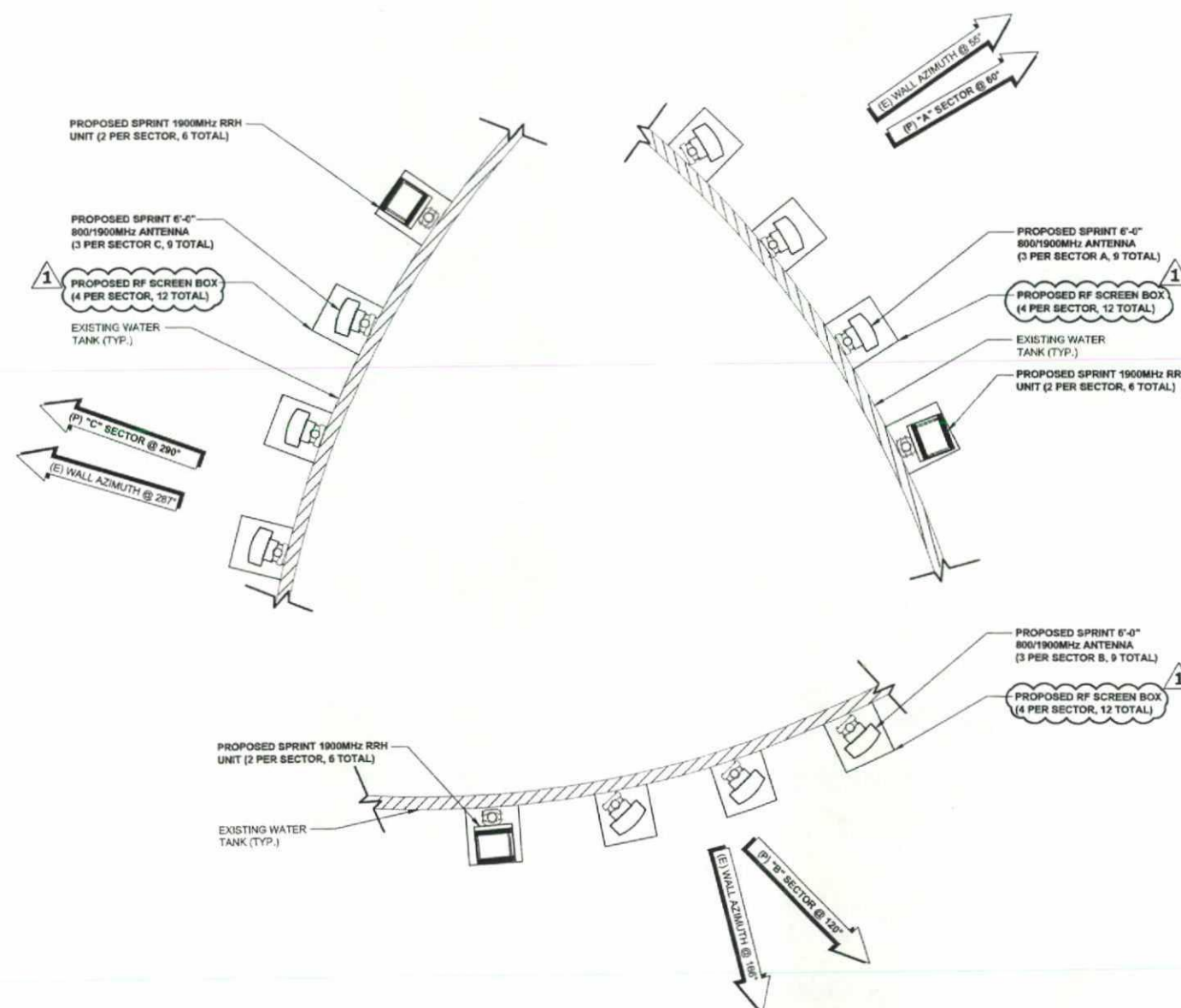
REVISION:

A-4

1

NOTE:

1. INSTALLERS TO VERIFY LATEST
RF DATA SHEET & PLUMBING / WIRING
DIAGRAMS, PRIOR TO INSTALLATION.
2. EACH ANTENNA AND RRH TO BE
SCREENED BY RF SCREEN BOXES.



PROPOSED SPRINT 1900MHz RRH
UNIT (2 PER SECTOR, 6 TOTAL)

PROPOSED SPRINT 6'-6"
800/1900MHz ANTENNA
(3 PER SECTOR, 9 TOTAL)

PROPOSED RF SCREEN BOX
(4 PER SECTOR, 12 TOTAL)

EXISTING WATER
TANK (TYP.)

PROPOSED SPRINT 6'-6"
800/1900MHz ANTENNA
(3 PER SECTOR, 9 TOTAL)

PROPOSED RF SCREEN BOX
(4 PER SECTOR, 12 TOTAL)

EXISTING WATER
TANK (TYP.)

PROPOSED SPRINT 1900MHz RRH
UNIT (2 PER SECTOR, 6 TOTAL)

PROPOSED SPRINT 6'-6"
800/1900MHz ANTENNA
(3 PER SECTOR, 9 TOTAL)

PROPOSED RF SCREEN BOX
(4 PER SECTOR, 12 TOTAL)

PROPOSED SPRINT 1900MHz RRH
UNIT (2 PER SECTOR, 6 TOTAL)

EXISTING WATER
TANK (TYP.)

(E) WALL AZIMUTH @ 100°
(P) B- SECTOR @ 120°

(E) WALL AZIMUTH @ 50°
(P) A- SECTOR @ 60°

(P) C- SECTOR @ 290°
(E) WALL AZIMUTH @ 257°



0 6" 1" 2"

SCALE: 1/2" = 1'-0" (24x36)
(OR) 1/4" = 1'-0" (11x17)

1

PROPOSED ANTENNA PLAN

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 11" x 17". SCALE INFO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

Sprint

Alcatel-Lucent

9806 SCRANTON RD. SUITE 400
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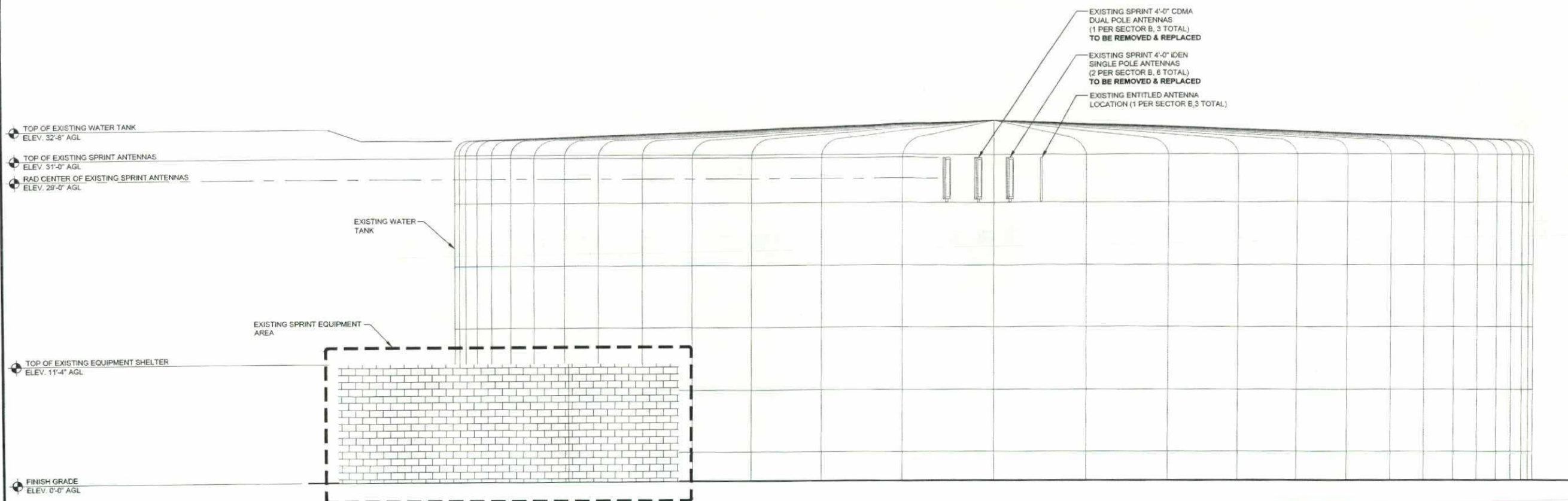
SOUTH ELEVATIONS

SHEET NUMBER:

REVISION:

A-5

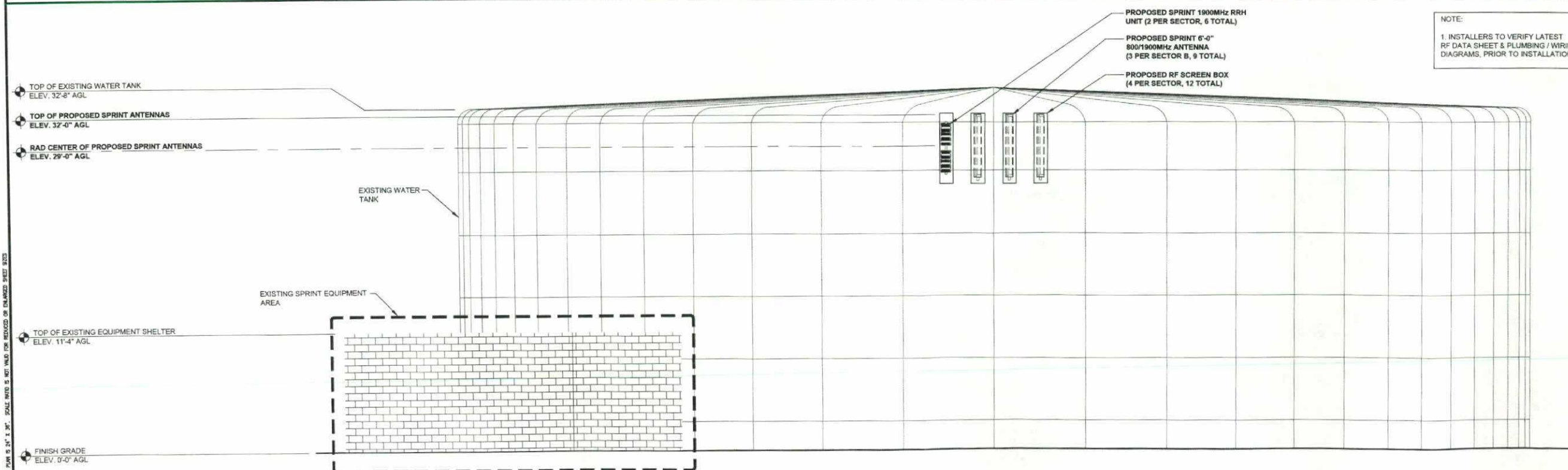
1



EXISTING SOUTH ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

1



PROPOSED SOUTH ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

2

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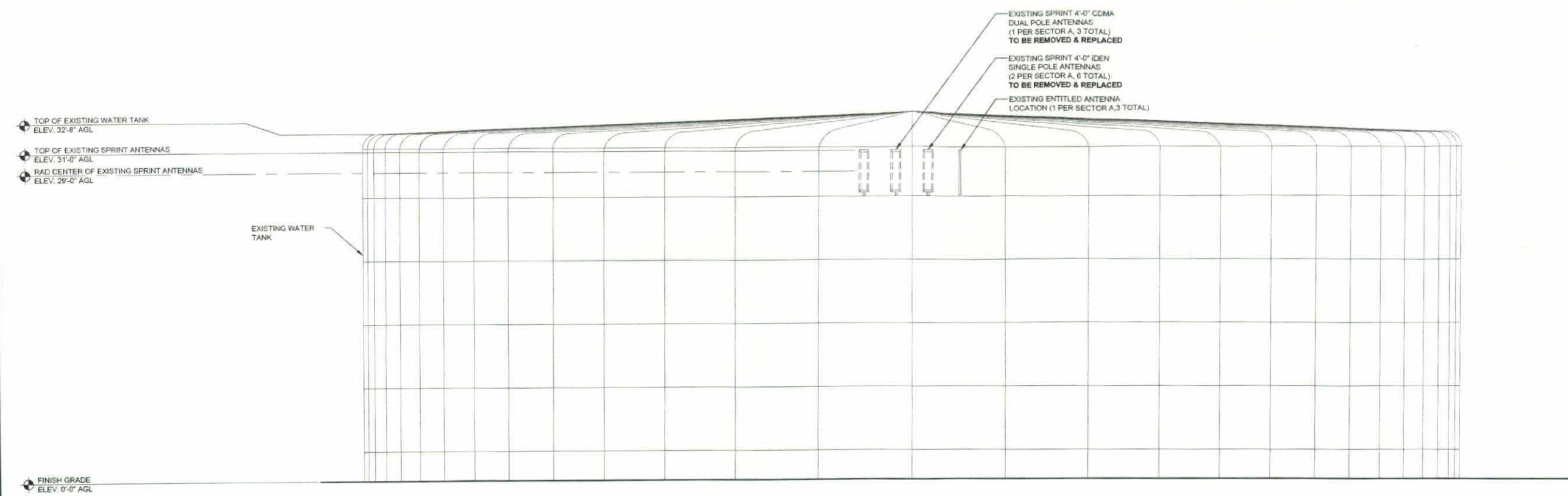
EAST ELEVATIONS

SHEET NUMBER:

A-6

REVISION:

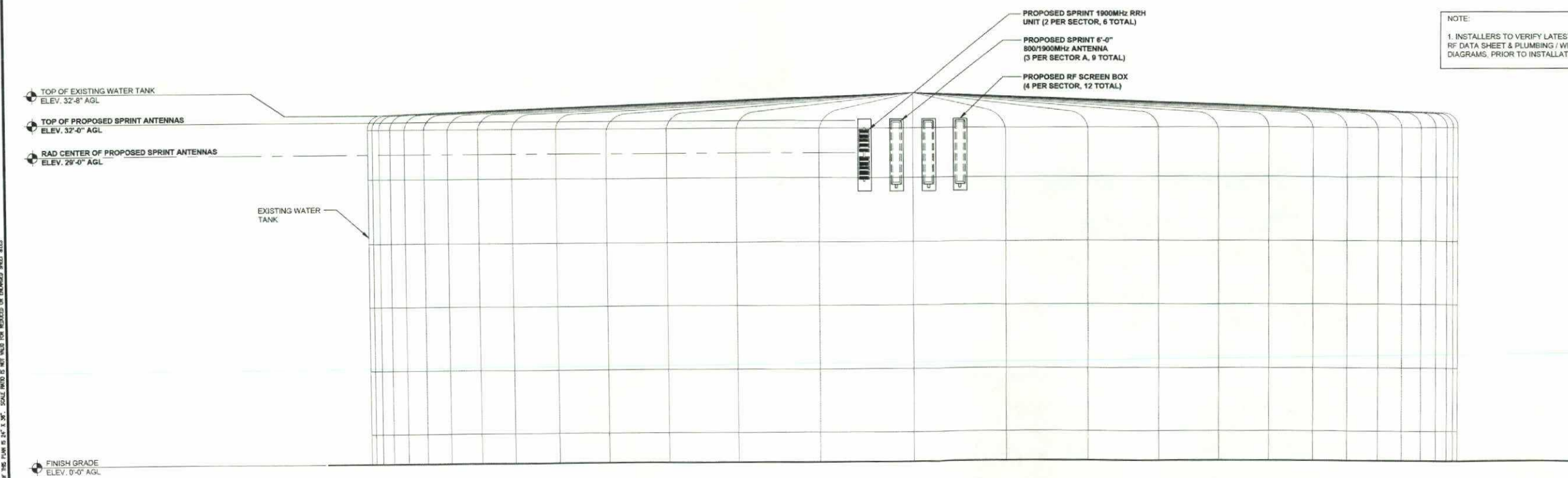
1



EXISTING EAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

1



PROPOSED EAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

2

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 14" x 11". SCALE INFO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



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SHEET TITLE:

WEST ELEVATIONS

SHEET NUMBER:

REVISION:

A-7 1

TOP OF EXISTING WATER TANK
ELEV. 32'-6" AGL
TOP OF EXISTING SPRINT ANTENNAS
ELEV. 31'-0" AGL
RAD CENTER OF EXISTING SPRINT ANTENNAS
ELEV. 29'-0" AGL

EXISTING SPRINT 4'-0" IDEN
SINGLE POLE ANTENNAS
(3 PER SECTOR C, 9 TOTAL)
TO BE REMOVED & REPLACED
EXISTING OPEN ANTENNA
MOUNT
(1 PER SECTOR C, 3 TOTAL)
EXISTING WATER TANK

TOP OF EXISTING EQUIPMENT SHELTER
ELEV. 11'-4" AGL

FINISH GRADE
ELEV. 0'-0" AGL

EXISTING SPRINT 4'-0" IDEN
SINGLE POLE ANTENNAS
(3 PER SECTOR B, 9 TOTAL)
TO BE REMOVED & REPLACED

EXISTING SPRINT EQUIPMENT
AREA

EXISTING WEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

1

NOTE:

1. INSTALLERS TO VERIFY LATEST
RF DATA SHEET & PLUMBING / WIRING
DIAGRAMS, PRIOR TO INSTALLATION.

TOP OF EXISTING WATER TANK
ELEV. 32'-6" AGL
TOP OF NEW SPRINT ANTENNAS
ELEV. 32'-0" AGL
RAD CENTER OF NEW SPRINT ANTENNAS
ELEV. 29'-0" AGL

PROPOSED SPRINT 6'-0"
800/1900MHz ANTENNA
(3 PER SECTOR C, 9 TOTAL)
NEW RF SCREEN BOX
(4 PER SECTOR, 12 TOTAL)
EXISTING WATER TANK

TOP OF EXISTING EQUIPMENT SHELTER
ELEV. 11'-4" AGL

FINISH GRADE
ELEV. 0'-0" AGL

NEW SPRINT 1900MHz
RRH UNIT
(2 PER SECTOR, 6 TOTAL)

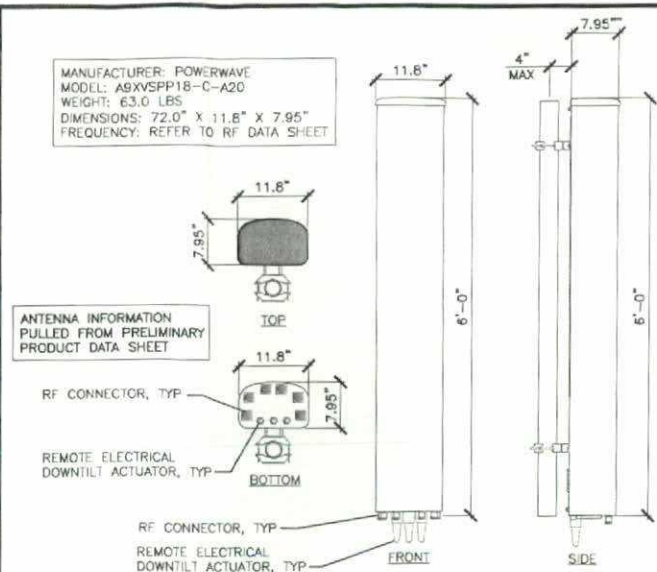
NEW RF SCREEN BOX
(4 PER SECTOR, 12 TOTAL)

EXISTING SPRINT EQUIPMENT
AREA

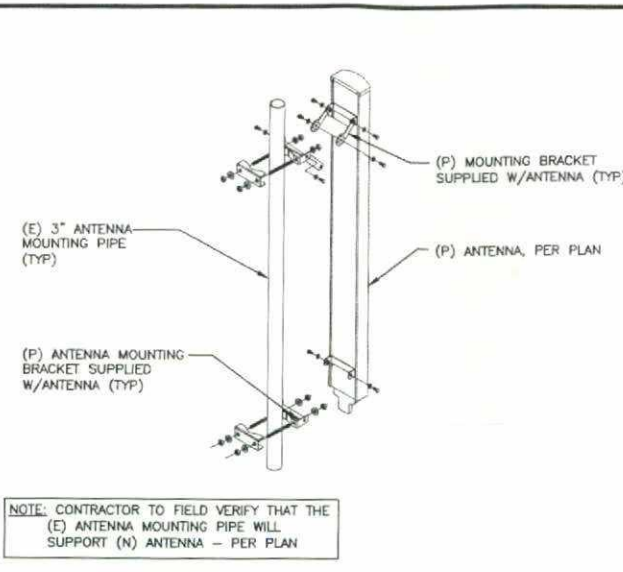
FINAL WEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)
(OR) 3/32" = 1'-0" (11x17)

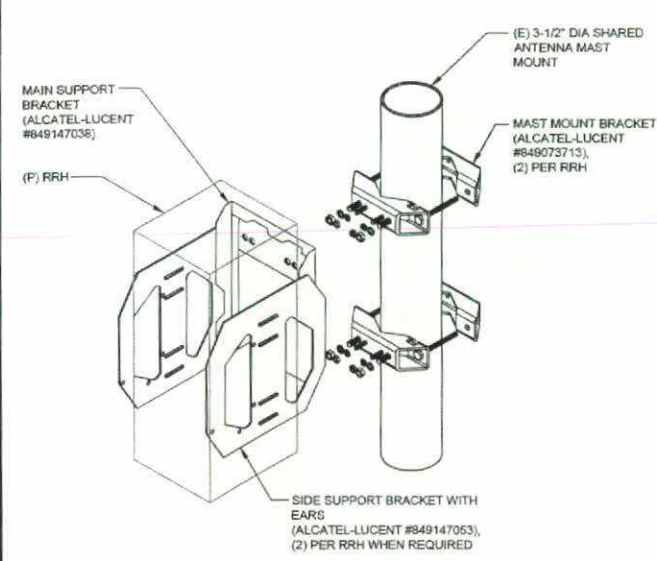
2



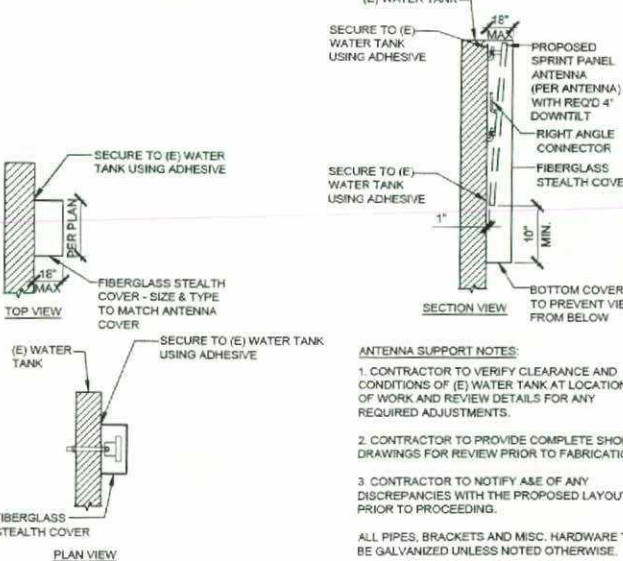
ANTENNA SPECIFICATIONS SCALE 2 N.T.S.



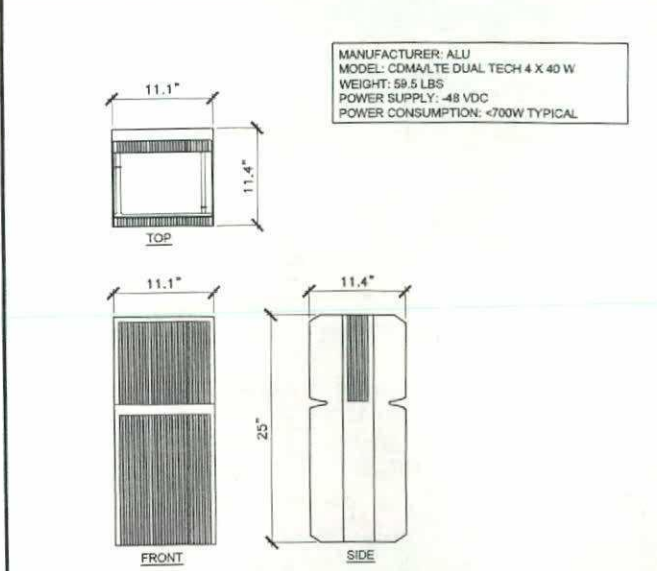
ANTENNA MOUNTING SCALE 5 N.T.S.



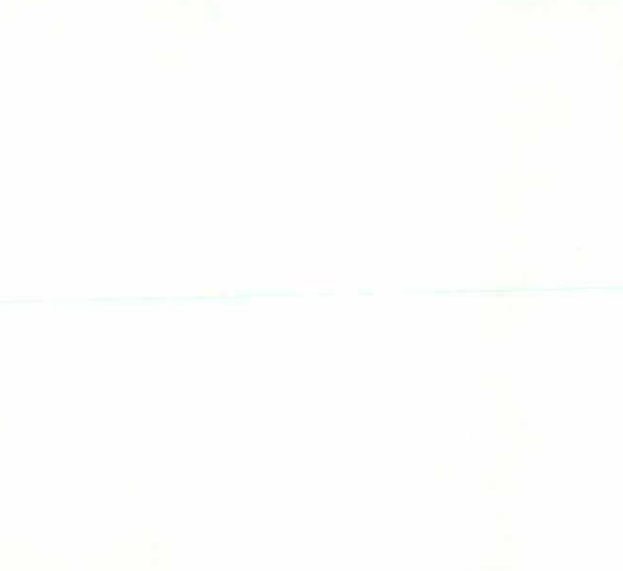
RRH MOUNTING DETAIL SCALE 3 N.T.S.



ANTENNA RF SCREEN BOX SCALE 6 N.T.S.



1900MHz RRH SPECIFICATIONS SCALE 4 N.T.S.



NOT USED SCALE 7 N.T.S.



Alcatel-Lucent
9605 SCRANTON RD. SUITE 400
SAN DIEGO, CA 92121

PLANS PREPARED BY:
**Technology Associates
Engineering Corporation Inc.**
SAN DIEGO MARKET OFFICE
5473 KEARNY VILLA RD. STE. 300
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PROPRIETARY INFORMATION
THE INFORMATION CONTAINED IN THIS SET
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AS IT RELATES TO SPRINT IS STRICTLY PROHIBITED

PROJECT INFORMATION:
NETWORK VISION MMBTS LAUNCH
COTTONWOOD
SD73XC157
12118 CAMPO ROAD
SPRING VALLEY, CA 92078

ISSUE DATE:
01/17/2013
ISSUED FOR:
100% ZD SUBMITTAL

REVISIONS			
REV.	DATE	DESCRIPTION	BY
0	08/10/12	ISSUED FOR 90% ZD REVIEW	AC
A	08/14/12	ISSUED FOR 100% ZD REVIEW	AC
B	11/21/12	ISSUED FOR 100% ZD SUBMITTAL	SMS
1	01/17/13	ISSUED FOR CITY COMMENTS	SMS

LICENSE:
**PRELIMINARY - NOT
FOR CONSTRUCTION**

SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER: **A-8** REVISION: **1**

NOTE: THE ORIGINAL SIZE OF THIS DRAWING IS 34" X 36". SCALE INFO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

NOT USED SCALE 1 N.T.S.